

# Substance Details Report

May 30, 2009

## Core Metadata

<b>Substance Type</b>	Chemical Substance	<b>Internal Tracking Number</b>	17134016
<b>EPA Registry Name</b>	Polycyclic aromatic hydrocarbons -- 16-PAH	<b>Substance Status</b>	Approved
<b>EPA Registry Name List</b>	Chemical Identification		
<b>Systematic Name</b>	Polycyclic organic matter - 16-PAH		
<b>Systematic Name List</b>	Environmental Protection Agency Data Systems		
<b>Preferred Acronym</b>			
<b>CAS Number</b>			
<b>EPA Identification Number</b>	E17134016		
<b>TSN Number</b>			
<b>Kingdom</b>			
<b>ICTVDB</b>			
<b>Molecular Formula</b>			
<b>Molecular Weight</b>			
<b>Comment/Description</b>	16-PAH emission factors are used to estimate national emissions of hazardous air pollutants under Section 112[c](6) of the Clean Air Act (CAA) Amendments. E17134016 has replaced E524672177.		
<b>Definition</b>	The national emission factor calculated for a specific source category such as residential wood combustion or primary aluminum production based on the sum of 16 individual Polycyclic Aromatic Hydrocarbons generated as a result of the specific activity. Emission factors for 16-PAH are typically reported in lbs/ton or lbs/unit and may not include all 16 PAHs depending on data availability. The 16-PAH category is comprised of 15-PAH plus Naphthalene.		
<b>Classifications</b>			

## Associated Identifiers

There is no information about former or incorrectly used identifiers.

## Structure

There is no structure Information for this substance.

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## Synonym

Below are the EPA applications/systems, statues/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance.

### Statutes/Regulations

There are no Synonyms of this type.

### EPA Applications/Systems

EPA Application/System	Synonym	Synonym Quality	Effective Date	End Date
NEI	16-PAH	Unknown		

### Other Sources

Other Sources	Synonym	Synonym Quality	Effective Date	End Date
ChemIDStd	Polycyclic aromatic hydrocarbons -- 16-PAH	Valid		

### Ad Hoc List

There are no Synonyms of this type.

### EPA Synonyms

There are no Synonyms of this type.

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## Components

### Substance Components

List Name  
Group Type  
Definition  
Comment/Description

NEI

Systematic Name	Synonym	List Acronym	CAS Number	TSN	EPA Identifier	Effective Date	End Date
Acenaphthylene	Acenaphthylene	NEI	208-96-8				
Fluoranthene	Fluoranthene	NEI	206-44-0				
Indeno[1,2,3-cd]pyrene	Indeno[1,2,3-cd]pyrene	NEI	193-39-5				
Pyrene	Pyrene	NEI	129-00-0				
Naphthalene	Naphthalene	NEI	91-20-3				
9H-Fluorene	9H-Fluorene	NEI	86-73-7				
Acenaphthylene, 1,2-dihydro-	Acenaphthylene, 1,2-dihydro-	NEI	83-32-9				
Benz[a]anthracene	Benz[a]anthracene	NEI	56-55-3				
Dibenz[a,h]anthracene	Dibenz[a,h]anthracene	NEI	53-70-3				
Benzo[a]pyrene	Benzo[a]pyrene	NEI	50-32-8				
Benzo[ghi]perylene	Benzo[ghi]perylene	NEI	191-24-2				

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Systematic Name	Synonym	List Acronym	CAS Number	TSN	EPA Identifier	Effective Date	End Date
Chrysene	Chrysene	NEI	218-01-9				
Benzo[k]fluoranthene	Benzo[k]fluoranthene	NEI	207-08-9				
Benz[e]acephenanthrylene	Benz[e]acephenanthrylene	NEI	205-99-2				
Anthracene	Anthracene	NEI	120-12-7				
Phenanthrene	Phenanthrene	NEI	85-01-8				

## Component Of

Systematic Name	Synonym	CAS Number	TSN	EPA Identifier	Effective Date	End Date
Polycyclic organic matter -- CAA 112B	Polycyclic organic matter			E649707		

## Related References

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No related references exist for this substance.